

ANCHORAGE AMATEUR RADIO CLUB

PRESIDENT - ED BOSCO - WL7BOR - 345-4530

CLUB PHONE: 345-0719

JULY 1989 JULY 1989 JULY 1989 JULY 1989
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OUR NEW OFFICERS FOR 1989-90

President

Ed Bosco - WL7BOR

Vice President

Eric Stewart - AL7IM

Secretary

Nancy Brophy - NL7PN

Treasurer

Fred Wegmer - KL7HFM

Activities Manager

Dianne Hammer - NL7KN

Three Year Board Member: Bill Capers - AL7BB; One Year Board
Members: Lance Dunbar - AL7BK, Mark Hadley - KL7HD, Rick Marvin
- KL7YF, Blaine Keener - NL7PV, Jim Larsen - AL7FS, Steve Tolley
- KL7FZ.

HAM CALENDAR

JULY 7-- AARC General Meeting, Spenard Rec Center 2020 W. 48th St

"Come prepared for a BUNNY HUNT"

JULY 7,8,9 Motley Group Picnic Byers Lake Campground

JULY 12- AARC Board Meeting, Hope Cottage Mtg Rm, 2805 Bering St
7 PM

Don't forget AARC Hamfest/Flea Market September 23rd and 24th.

From The Prez

Our new president Ed Bosco has asked me to pass on his Thanks to all those who voted to put him in office. If anyone has any suggestions towards the betterment of the Club, give Ed a Call. The August issue should have an article direct from the Big Orange Rabbit. The Editor

AARC Board Meeting, June 13, 1987

The meeting was brought to order at 1900 by retiring club president Harvey Rookus. Since new and old board members were in attendance everyone introduced themselves.

Lil Marvin, food chairman for field day, asked for money from the budget for food for field day.

KL7HFM gave the treasurer's report letting us know that we are still solvent. He also explained the treasurer's budget to new board members.

Rick Marvin gave us a report on the inspection of the repeater sites. He has made one beginning of summer inspection to the remote receiver finding ice damage to an antenna. After field day, he will get a crew to go up to the 94 site.

It was reported that since 411 on the VHF repeater will be charging as of July it will be eliminated from the autodial. A couple of suggestions for replacement were a direct line into the fire dispatcher and flight service number. Bill KL7ITI will check into it.

KL7HFM (Fred) gave a report on the packet system. There are some problems with the the bulliten board. He proposes that we buy a tape recorder back up system. He's hoping that a back up done daily will avoid problems. He is also looking for anyone that is interested in taking over the bulliten board.

Fred Tolliver reported on the gambling business and explained to new board members how the system works. He is still looking for new places for pull tabs. The income this year has been good, but not as good as past years as the business is getting more competitive.

Linda, retiring activities chairman, turned over her position to the new chairman and suggested that we have a bunny hunt in July.

There was a lengthy discussion on the pros and cons of putting up a DF (Doppler) receiver at a remote location that would scan all frequencies to help with interference on repeaters. After much discussion and much hat waving (it was a blue hat) it was tabled until KL7HFM can check into the price and the technical practicablity of the project.

Harvey asked for a check in the amount of \$6.00 to submit to the State of Alaska, Dept. of Commerce for our gaming license paperwork.

The Mayor's marathon is June 17 and anyone wanting to work should contact NL7DK.

The new president, W/L7BOR Ed Bosco, found out when he inherited the job that he also inherited a large box of club plaques and awards. He suggested that we display them at a public building. Everyone liked the idea and he will be checking on finding a place for them.

It was brought to the attention of the board that we should incorporate into the club operating procedure a requirement that each candidate nominated for office give a two minute speech introducing themselves and their objectives for the club. Along this line, we agreed to do a profile of a club member in the newsletter so everyone will know where all our hidden talent lies. Recognition awards were talked about.

Mark reported on the use of ATV in aircraft for emergency purposes. He is looking for a CAP member over the age of 18 that is an amateur to volunteer for this program. Instruction will be provided. He also talked about the possibility of setting up ATV at local hospitals at christmastime so kids can talk to Santa on TV. Anyone interested in being Santa? We almost got Steve KL7F2 to volunteer.

It was reported that we sent a happy ham back to Moscow with his first piece of commercial equipment. One of the Soviet members of the Bering Sea Crossing Team was inquiring where he could buy some equipment and when he was informed that Seattle was the closest place there was a quick board decision made to dust off a donated Swan 350 and present it to the fellow amateur.

On that note, Harvey passed the gavel to Ed who adjourned the meeting at about 2120. Thanks Harvey for an outstanding job.

Submitted by Nancy Brophy, NL7PN, Secretary

Don't Forget the Meeting Night is "Bunny Hunt Night". Be sure to Bring you Hand Held for A Rubber Duck Cleaning Party before the Start of the "Bunny Hunt."

Each year since the start of the marathon the Club has been asked furnish Hams at Checkpoints for the Safety of the event. This year the following Hams put in approximately 45 man/women hours: NL7DL - Lil, NL7NN - Susan, NL7KN - Dianne, W4IGM - John, KL7IZZ - Harley, KL7HO - Arlene, NL7OM - Courtney, KL7YF - Rick, NL7DK - Harvey. Tony - NL7PB did most of the calling to line up people. Thanks to all. DK

Notes In Passing

Contrary to Popular Local Custom, the next few months be spent inspecting Transmission lines, Connectors and Antennas. Corrosion is a Silent Signal Sucker!! For technical advise contact: Rick-KL7YF, Bill-AL7BB or Mark-KL7HD.

Most Mag Mount Antennas were invented for Emergency and occasional use only, somewhat like the mini-spares they put in some modern cars. Use them in time of real need, then replace them with a real antenna. If Mag Mounts are used replace the connectors and antenna every 180 days or less. ANON

For Sale

Tower, Wilson 40' tabular crank-up.

Beam, Hygain Thunderbird 3-element, 10, 15, and 20.

Rotator, Alliance HD - 73, defective

\$ 300.00, you remove.

KL7ENP, Bob Woolsey

Contact Ramon Mengler

346-2411



NEWS

FEDERAL COMMUNICATIONS COMMISSION
1919 M STREET, N.W.
WASHINGTON, D.C. 20554

AARC/July/89 p. 5
News media information 202 / 632-5050
Recorded listing of releases and texts
202 / 632-0002

This is an unofficial announcement of Commission action. Release of the full text of a Commission order constitutes official action. See MCI v. FCC, 515 F.2d 385 (D.C. Cir. 1975).

Report No. PR-51

PRIVATE RADIO ACTION

June 1, 1989

FCC DECLINES TO INITIATE A SPECIAL AMATEUR CALL SIGN SYSTEM

The Commission has decided not to initiate a special call sign system, administered in the private sector, in the Amateur Radio Service.

In response to requests by representatives of the amateur radio community, the Commission issued a Public Notice in February 1987, requesting comments and proposals to determine whether a special call sign system administered in the private sector by a Special Call Sign Coordinator (SCSC) could be implemented without additional costs to the agency. Specifically, it proposed that the actual station licensing function, including the assignment of an "official" call sign, continue to be performed by the FCC, consistent with its statutory licensing responsibility. Upon request of an individual licensee, an SCSC would then assign one or more "special" supplemental call signs to an authorized station. These special call signs could then be used in lieu of the Commission-assigned call signs during the station identification procedures.

After carefully considering the comments, the Commission concluded that a special call sign program -- even one administered by the private sector -- would require the diversion of significant agency resources that are essential to the timely and efficient processing of applications for new and upgraded amateur licenses. Under these circumstances, the FCC concluded that a special call sign system is not in the public interest. Accordingly, it terminated this proceeding.

Action by the Commission May 31, 1989, by Order (FCC 89-188).
Commissioners Patrick (Chairman), Quello and Dennis.

-FCC-

News Media contact: Bonnie Gay at (202) 632-5050;
Private Radio Bureau contact: Maurice DePont at (202) 632-4964.

Federal Communications Commission AARC/July/89 p 6

Gettysburg, PA 17325

FEB 9 1989

In Reply Refer To:

"READ THE HIGHLIGHTED PORTION CAREFULLY"

7130-2
Am/C 2.88

DeVry Amateur Radio Society
Attn: James Georgias
3300 N Campbell
Chicago, IL 60618

Dear Mr. Georgias:

Since you have the responsibility to maintain the "Instructions to the VEC's" you may wish to highlight the following and include it in the instructions.

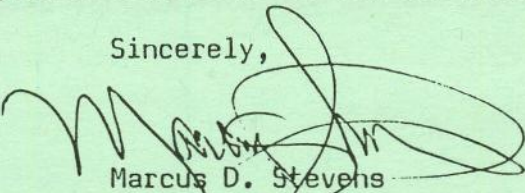
An increasing number of candidates who have passed the novice exam requirements are bringing their original 610 completed by their examiners to a VEC test session. This is in violation of Rule Section 97.28(g) which states "Within ten days of the administration of a successful examination for the Novice Class operator license, the examiner shall submit the candidate's application to: Federation Communications Commission, Gettysburg, Pennsylvania 17325."

Effective immediately any candidate who brings an original 610 completed by his/her examiners should be told by the VEs that the candidate is not in compliance with 97.28(g) and he/she should give the novice 610 to one of the novice examiners and have the examiner mail the 610 to the Commission. Upon receipt of the novice license from the Commission, the candidate should forward a copy to the VEC, who will attach it to the upgrade and mail to the Commission. A temporary operating authority may then be issued.

If a non-licensed candidate wishes to be tested for a Technician or higher operator license, then Elements 1(A) and 2 must be administered by the three VE's who are administering the other element(s).

If you have further questions please contact me at 717-337-1431.

Sincerely,


Marcus D. Stevens
Chief, Special Services Branch

CC: VEC's

ANCHORAGE AMATEUR RADIO CLUB

ROSTER CHANGES

EFFECTIVE JUNE 1, 1989

NEW MEMBERS

CALL	NAME	ADDRESS	CITY	STATE	ZIP	PHONE
KL7M	CLOYD, DAVID E.	705 MULDOON RD. #211	ANCHORAGE	AK	99504	H: W:276-1334
NH60	DORLAND, KEN	POB 770368	EAGLE RIVER	AK	99577	H:696-1976 W:276-2226
NL7KN	HAMMER, DIANNE	1001 BONIFACE PKWY SP 7-0	ANCHORAGE	AK	99504	H:338-3367
	HENDRICKS, RICHARD A	4150 GALACTICA DR	ANCHORAGE	AK	99517	H:243-4841 W:271-4757
KC6BXG	MORAN, LARRY L.	2021 BANBURY CIR.	ANCHORAGE	AK	99504	H:333-7349
KL7XM	REHRER, THOMAS C.	8500 E. 20TH AVE.	ANCHORAGE	AK	99504	H:333-6187 W:333-6187
SANDVIK, DEL POB 29 PALMER, AK 99645 H:345-2491 W:561-2211						

CHANGES, ETC.

BATHONY, TIBOR -- CHANGE ADDRESS TO: 9995 MENDENHALL LP RD, JUNEAU, AK 99801
 BRACALE, CARL -- ADD CALL SIGN: NL7PM
 BROPHY, WALTER S & NANCY -- ADD NANCY'S CALL SIGN: NL7PN
 FULLER, DAVID -- ADD CALL SIGN: NL7QY
 WA7TBT GANGI, TONY -- CHANGE CALL SIGN TO: NL7PB
 NL7NZ GRANDBOIS, JACQUELINE V -- DELETE -- MEMBERSHIP LAPSED
 KL7AM HISAMOTO, ROBERT -- CHANGE STREET ADDRESS TO 2985 DUNLAP
 WL7BTP LITTLE, BOBBY -- DELETE HOME PHONE # -- NO GOOD
 AL7AW MCKINNIE, BOB -- CHANGE ADDRESS TO: 5602 ELISA LN, PARKER, TX 75002
 KL7SM MULLIN, STEVE -- DELETE -- MEMBERSHIP LAPSED
 N7KPS PORTER, CHRISTOPHER -- CHANGE ADDRESS TO: 504 PELENOR DR., FRANKLIN, IN 46131 & DELETE PHONE NUMBERS
 AL7EF POULSON, HAROLD E -- CHANGE ADDRESS TO: 2501 COTTONWOOD, ANCHORAGE, AK 99508 & DELETE HOME PHONE # -- NO GOOD
 NL7MI POULSON, MARLENE G -- CHANGE ADDRESS TO: 2501 COTTONWOOD, ANCHORAGE, AK 99508 & DELETE HOME PHONE # -- NO GOOD
 NL7NB ROSSER, GIMMIE -- CHANGE CALL SIGN TO AL7LB
 NL7P VOGEL, DAVE -- CHANGE ADDRESS TO: 8827 KNOLL CT., FRANKLIN, WI 53132 & CALL SIGN TO WA9C
 WB5DNT WHITE, DAN -- CHANGE ADDRESS TO: 414 AVE 'G' #39, REDONDO BEACH, CA 90277 & DELETE PHONE #'S
 KL7WQ WISWELL, NORMAN -- CHANGE ADDRESS TO 5201 RABBIT CREEK RD #1

	CALL	FROM	TO
ANCHORAGE			
LARRY M. La GRONE		NO LICENSE	TECHNICIAN
CLARENCE J. ZICKUHR		NO LICENSE	TECHNICIAN
EAGLE RIVER			
RICHARD L. LANGTON	NL7PA	TECHNICIAN	GENERAL
CHARLES E. MATHEWS	NL7PX	TECHNICIAN	ADVANCED
DAVID C. MARTENS	WL7AGX	NOVICE	TECHNICIAN
MILO M. ROUSCULP		NO LICENSE	GENERAL
FAIRBANKS			
LESSLIE C. COOPER	WL7BUF	TECHNICIAN	GENERAL
KYLE T. FRANKS	NL7OY	TECHNICIAN	GENERAL
VAUGN D. WASEM		NO LICENSE	NOVICE
JEFF L. WORNER	WL7BUX	NOVICE	GENERAL
JOYCE A. WORNER		NO LICENSE	NOVICE
JUNEAU			
MICHAEL D. CUCKSEY	N2EIT	TECHNICIAN	GENERAL
DAVID J. NUMME	WL7BPD	NOVICE	TECHNICIAN
SOLDOTNA			
DONNA L. WEST	WL7BVE	NOVICE	TECHNICIAN

submitted by Roger Hansen, KL7HFQ, VEC Director)

WINTER RAFFLE

Once again we will be having our Winter Raffle with the drawing to be held at our Christmas Party. If you any ideas for the prizes to be given, please get in touch with Rick - KL7YF at 277-6741

WANTED: Ham Operator Tech or above, over 18 years of age. Must join Civil Air Patrol to work with ATV. Contact Mark Hadley - KL7HD

ALASKA PACIFIC UNIVERSITY

Office of Admission
and Financial Aid

April 26, 1989

Fred Toliver
Anchorage Amateur Radio Club
130 W Intl Airport Rd #T
Anchorage, Ak 99518

Dear Fred:

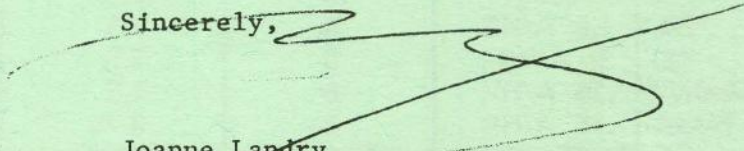
We have chosen a new recipient for the Anchorage Amateur Radio Club Scholarship for the 1989-90 academic year. This student is Kathleen Shelton. Also, we have selected an alternate if, for some reason, the winner does not accept the award.

The two 1989-90 recipients are as follows:

Matthew Michael Flynn - ~~\$500~~³⁰⁰ each semester
Kathleen Shelton - ~~\$500~~³⁰⁰ each semester

Fall semester begins August 31st. We would appreciate the funds being sent before that date. Thank you for your continued support through this scholarship fund.

Sincerely,


Joanne Landry
Assistant Director of Financial Aid

V. NiCd BATTERY TESTS

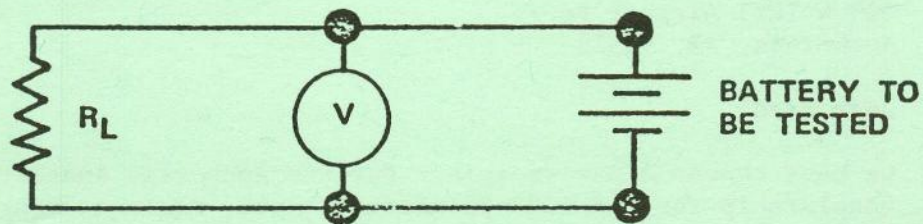
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A. STATE OF CHARGE

NUMBER OF CELLS IN BATTERY	X 1.2	OPEN TERMINAL VOLTAGE FOR DISCHARGED BATTERY (LESS THAN 25% CAP.)
	X 1.35	OPEN TERMINAL VOLTAGE FOR CHARGED BATTERY (MORE THAN 75% CAP.)
	X 1.0	OPEN TERMINAL VOLTAGE FOR DEEP DISCHARGE (NO CAPACITY LEFT)

B. BATTERY CAPACITY

1. SET UP TEST CIRCUIT AS SHOWN:



2. CALCULATE R_L TO DISCHARGE THE BATTERY AT ITS "C" RATE

$$R_L = \frac{\text{RATED VOLTAGE}}{\text{AMPERE/HOUR CAPACITY}}$$

SOME TYPICAL BATTERIES ARE SHOWN BELOW:

	BATTERY CAPACITY	NO. OF CELLS	RATED VOLTAGE	R_L
PMI	4 A/HR	10	12.5	3.12 Ω 100W
PR	1.5 A/HR	6	7.5	5.0 Ω 20W
PE	.5 A/HR	6	7.5	15.0 Ω 10W
SADTYPE	.15 A/HR	6	7.5	50.0 Ω 5W
PAGER	.15 A/HR	3	3.75	25.0 Ω 2W
PE	.17 A/HR	6	7.5	10.7 Ω 10W

NTC KATE

3. CHARGE THE BATTERY TO BE TESTED AND CONNECT IT INTO THE TEST CIRCUIT.
4. MEASURE THE TIME IT TAKES TO DISCHARGE TO 1 VOLT/CELL (6 CELLS = 6 VOLTS, ETC.) *VOLTAGE DROPS QUICKLY NEAR END OF CYCLE! imp*
DO NOT DISCHARGE THE BATTERY TO BELOW 1 VOLT/CELL
5. IF THE MEASURED TIME IS 1 HOUR OR MORE, THE BATTERY IS OPERATING AT RATED CAPACITY.
6. IF THE MEASURED TIME IS LESS THAN 1 HOUR, USE THE FOLLOWING FORMULA TO FIND THE ACTUAL CAPACITY OF THE BATTERY.

$$\frac{\text{MEASURED TIME (MIN.)}}{60} \times \text{RATED CAPACITY (A/HR)} = \text{ACTUAL CAPACITY}$$

7. REPEAT THIS CHARGE AND DISCHARGE CYCLING A FEW TIMES. THIS SHOULD RETURN THE BATTERY TO ITS ORIGINAL CAPACITY AND REMOVE ANY MEMORY SET IT MAY HAVE TAKEN.

C. CELL POLARITY REVERSAL

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- A. MEASURE THE OPEN CIRCUIT VOLTAGE OF THE BATTERY.
- B. IF THIS VOLTAGE IS LESS THAN 1 VOLT/CELL (OR ZERO VOLTS) THE BATTERY MAY BE DAMAGED OR EXHIBITING CELL POLARITY REVERSAL.
- C. PLACE THE BATTERY ON NORMAL CHARGE FOR 1 HOUR AT C/10 RATE.
- D. MEASURE THE TERMINAL VOLTAGE AFTER 1 HOUR. THIS VOLTAGE SHOULD EXCEED 1.2 VOLTS/CELL (7.2 V IN A 6 CELL BATTERY)
- E. IF THE TERMINAL VOLTAGE DOES NOT EXCEED 1.2 VOLTS/CELL THE BATTERY MAY BE CONSIDERED TO BE DEFECTIVE.

D. GOOD NICKEL CADMIUM BATTERY MANAGEMENT

Charge and discharge batteries regularly in cycle of use

Charge at 65-85°F (24°C)

Store at cool temperatures

Protect from contact with metal that could cause shorts

Prevent deep discharging (Below 6.0V) *or 1 VOLT PER CELL*

Correctible failures are memory set & capacity loss after storage
Discharge and charge several times

Noncorrectible Failures

Internal short circuit - caused by overcharge

Cell Polarity Reversal - Caused by drawing current from a discharged cell

Loss of Electrolyte - Caused by time & low state of charge

A battery should give at least 2 years service in routine daily use
~ 1000 cycles charge + discharge

ANCHORAGE AMATEUR RADIO CLUB, INC.
Post Office Box 101987
Anchorage, Alaska 99510-1987

Address Correction Requested

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ASST. DISTRICT SALES MANAGER
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